

ABSTRACT

5 A wireline jar tool delivers instrument packages into
wellbores and retrieves tools when they get stuck. The jar has
several stored spring chambers connected to accelerate an upper
spring chamber away from a stuck lower carrier chamber that supports
instrument packages. Wireline tension actuates the jarring action
and then lowers a sinker bar for reset as many times as required to
10 incrementally jar the un-stick fish uphole. The wire line connects
to a conductor that extends inside the tool through a main operating
shaft, release coupling, hammer and anvil, lost motion coupling,
into the lower chamber where the end connects to the instruments for
communication to the surface. A small wireline tension provides
15 unexpected large impact forces.